

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Previously Presented) The method according to claim 9, wherein an aqueous solution of the first composition (A) has a pH value ranging from 2 to 6 and/or an aqueous solution of the second composition (B) has a pH value ranging from 7 to 12.

3. (Previously Presented) The method according to claim 9, wherein said inorganic phosphoric acid is an orthophosphoric acid.

4. (Canceled)

5. (Previously Presented) The method according to claim 9, wherein said first composition (A) further contains a monofluorophosphate.

6. (Canceled)

7. (Previously Presented) The method according to claim 9, wherein said second composition (B) is a powder.

8. (Canceled)

9. (Currently Amended) A method of treating teeth, comprising alternately applying a first composition (A) and a second composition (B) to a tooth:

(A) a first composition containing an inorganic fluoride and an inorganic phosphoric acid or a salt thereof, wherein an aqueous solution of said first composition has a pH value ranging from 2 to 6 wherein the molar ratio of said inorganic fluoride to said inorganic phosphoric acid or salt thereof falls in the range of 0.1 to 10 wherein the content of said inorganic fluoride ranges from 0.025 mol/l to 0.5 mol/l and the content of said inorganic phosphoric acid or a salt thereof ranges from 0.05 mol/l to 1 mol/l wherein said inorganic fluoride is selected from the group consisting of sodium fluoride and ammonium fluoride and said inorganic phosphoric acid or a salt thereof is orthophosphoric acid or a metal salt thereof; and

(B) a second composition containing a monofluorophosphate and a calcium salt of polyol phosphate, wherein an organic acid constituting the calcium salt of organic acid has a pKa value ranging from 3 to 11, or at least one pKa value ranging from 3 to 11 when the organic acid has plural pKa values wherein an aqueous solution of said second composition has a pH value ranging from 6 to 12 wherein the content of said calcium salt of polyol phosphate ranges from 0.02 to 0.5 mol/l and the content of said monofluorophosphate from 0.05 to 5 wt% wherein said calcium salt of polyol phosphate is selected from the group consisting of calcium glycerophosphate and calcium glucose-1-phosphate.

10. (Previously Presented) The method according to claim 9, wherein the first composition (A) and/or the second composition (B) is supported on a carrier selected from the group consisting of paper, cloth, nonwoven fabric, absorbent cotton, sponge and porous film.

11. (Previously Presented) The method according to claim 10, wherein the carrier supporting the first composition (A) and/or the second composition (B) is impregnated with water immediately prior to application thereof to a tooth.

12. (Previously Presented) The method according to claim 9, wherein composition (A) is selected from the group consisting of a liquid liniment, a mouth wash, a gel, a paste, a dentifrice, and a solution.

13. (Previously Presented) The method according to claim 9, wherein composition (B) is selected from the group consisting of a liquid liniment, a mouth wash, a gel, a paste, a dentifrice, and a solution.

14. (Previously Presented) The method according to claim 9, wherein said alternately applying comprises applying composition (A) to a tooth to be treated and left to stand for a time ranging from 5 to 30 seconds and then applying composition (B) to the tooth to be treated and left to stand for a time ranging from 5 to 30 seconds.

15. (Previously Presented) The method according to claim 14, wherein said alternately applying is repeated one or more times.

16. (Previously Presented) The method according to claim 9, wherein said alternately applying comprises applying composition (B) to a tooth to be treated and left to stand for a time ranging from 5 to 30 seconds and then applying composition (A) to the tooth to be treated and left to stand for a time ranging from 5 to 30 seconds.

17. (Previously Presented) The method according to claim 16, wherein said alternately applying is repeated one or more times.

18. – 20. (Canceled)

21. (Previously Presented) The method according to claim 9, wherein composition (A) is a mouthwash and composition (B) is a dentifrice.

22. – 25. (Canceled)

26. (Previously Presented) The product according to claim 9, wherein the molar ratio of inorganic fluoride in the first composition (A) to calcium salt of polyol phosphate in the second composition (B) ranges from 0.2 to 5.

27. – 30. (Canceled)

31. (Previously Presented) The product according to claim 9, wherein the molar ratio of said inorganic fluoride to said inorganic phosphoric acid or salt thereof falls in the range of 0.1 to 3.

32. (Canceled)

33. (Previously Presented) The product according to claim 9, wherein the inorganic fluoride is sodium fluoride and the inorganic phosphoric acid is calcium glycerophosphate.